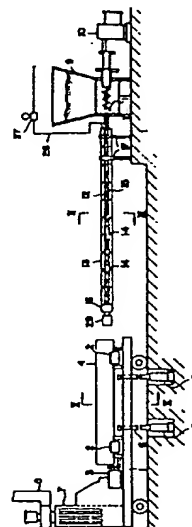


(54) METHOD AND APPARATUS FOR APPLYING POWDERY PAINT TO INNER SURFACE OF PIPE

(11) 60-31850 (A) (43) 18.2.1985 (19) JP
 (21) Appl. No. 58-137560 (22) 29.7.1983
 (71) KURIMOTO TEKKOSHO K.K. (72) MASAYOSHI KITAGAWA(1)
 (51) Int. Cl⁴. B05C7/02

PURPOSE: To form paint film with a uniform film thickness, by arranging a heated pipe horizontally, and inserting a cylindrical rotary dispersing tool having a large number of emitting orifices formed thereto into the heated pipe to rotate the same.

CONSTITUTION: A preheated pipe 4 to be painted is placed on the turning roller 2 of a running truck 1 and rotated by a drive motor 3. In this state, the truck 1 is run toward a rotary dispersing tool 29 and a powdery paint is diffused from the rotary dispersing tool 29 and, at the same time, said rotary dispersing tool 29 is inserted into the pipe 4. By this operation, the diffused powdery paint is fusion bonded and applied to the inner surface of the pipe 4 and applied over the entire inner surface of the pipe 4 as the truck 1 is run. Because the powdery paint is supplied by centrifugal force generated by the rotation of the rotary dispersing tool 29, a uniform paint film can be formed.

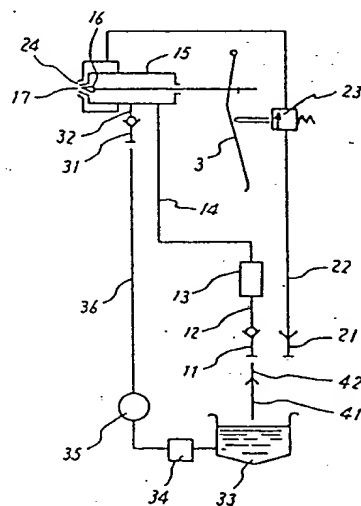


(54) METHOD FOR WASHING BUILT-IN FILTER IN PAINTING GUN

(11) 60-31851 (A) (43) 18.2.1985 (19) JP
 (21) Appl. No. 58-142265 (22) 2.8.1983
 (71) HONDA GIKEN KOGYO K.K. (72) KOUICHI KOKADO(1)
 (51) Int. Cl⁴. B05D1/02, B05D3/00

PURPOSE: To easily and surely wash a filter, by flowing a washing liquid through a paint filter in the direction opposite to the filtering direction of a paint.

CONSTITUTION: When a filter 13 is clogged, a washing liquid supply hose 36 is connected to the quick joint 31 provided to a washing liquid inflow port 32. On the other hand, a paint supply hose connected to a paint inflow port 12 is detached and a drain hose 41 with a plug 42 for releasing the engagement action of a joint 11 is connected to said inflow port 12 to operate a forcible feed pump 35. Whereupon, the washing liquid in a washing liquid tank 33 is flowed into a paint nozzle 13 from the washing liquid inflow port 32 and washes off foreign matters adhered to the paint inflow side of a mesh to discharge the same to the outside from the drain hose 41.



(54) METHOD AND APPARATUS FOR SURFACE TREATMENT OF MOLDED ACRYLIC RESIN ARTICLE

(11) 60-31852 (A) (43) 18.2.1985 (19) JP
 (21) Appl. No. 58-140668 (22) 1.8.1983
 (71) TOYOTA JIDOSHA K.K. (72) YASUO TOKUSHIMA(3)
 (51) Int. Cl⁴. B05D1/18, B05D7/02, C08J7/04

PURPOSE: To prevent the deterioration of appearance quality, in drawing up a molded acrylic resin article from a curing treating liquid, by automatically changing over a liquid recirculating amount from a high flow amount to a low flow amount.

CONSTITUTION: A molded acrylic resin plate (hereinbelow mentioned as a work) 16 is suspended from a hanger 15 and conveyed above a tank 1. When falling is started, an approximate switch 22 ascertains that the work 16 begins to immerse into a curing treating liquid and the rotation number of a pump 4 is throttled from a high flow amount to a medium flow amount by preset frequency change-over. By this mechanism, the surface flow of the curing treating liquid 2 is suppressed to a small extent and the work is immersed in the curing treating liquid without receiving swinging movement. When the work 16 is perfectly drawn up, the rotation number of the pump is returned to the high flow amount from the medium flow amount.

